

Network Monitoring Report: M-band N09M3

Source: 3C84, 3C286, OQ208, 1222+037, 3C273B **Length:** 300 min. **Observing mode:** Mk IV, mode 256-8-2, dual pol.
Reference antenna: Effelsberg **Date of observations:** 31/10/09 **Reference date:** 31/10/09; 304d 05h 30m
Experiment code: N09M3 **Date of report:** 17/03/10 **by:** Mehreen Mahmud

- ⊗ According to expectation, no special remarks
- Problem occurred - see enclosed footnote(s)
- Station did not observe (not scheduled)
- Entry not applicable/investigated

	Da	Ef	Jb	Mc	Nt	On	Sh	Tr	Ur	Wb	Ar	Hh	Mh	Yb	Wz	Ro
Station has observed	⊗	⊗	⊗	⊗	⊗	⊗		⊗		⊗				⊗		
Station produced fringes (ftp)	⊗	⊗	⊗	⊗	⊗	⊗		⊗		⊗				⊗		
Station produced fringes (disk)	⊗	⊗	⊗	⊗	⊗	⊗		■		⊗				⊗		
Filled in TRACK	⊗	⊗	⊗	⊗	⊗	⊗		⊗		⊗				⊗		
Logs are available (within 72 hours)	⊗	⊗	⊗	⊗	⊗	⊗		⊗		⊗				⊗		
GPS data available (within 7 days)	⊗	⊗	⊗	⊗	⊗	⊗		⊗		⊗				⊗		
Disks are available (within 7 days)	⊗	⊗	⊗	⊗	⊗	⊗		⊗		⊗				⊗		
Feedback on www (within 7 days)	⊗	⊗	⊗	⊗	⊗	⊗		⊗		⊗				⊗		
GPS clock estimate gives fringes	⊗	⊗	⊗	⊗	⊗	⊗		■		⊗				⊗		
Clock offset in μ sec	53.4	-25.802	1.503	-95.171	-11.358	-32.864		5.685		60.35				-1.549		
Clock rate in psec/sec	0.0122	0.566	0.0122	-0.796	0.248	0.00959		-0.876		0.194				0.0651		
Recording okay	⊗	⊗	⊗	⊗	⊗	⊗		⊗		⊗				⊗		
Polarization setup okay	⊗	⊗	⊗	⊗	⊗	⊗		■		⊗				⊗		
Strong signal amplitude	⊗	⊗	⊗	⊗	⊗	⊗		■		⊗				⊗		
Phase cal aligns phases	○	○	○	○	○	○		○		○				○		
Sampler statistics okay	⊗	⊗	■	⊗	■	⊗		■		■				⊗		
Please check VC number(s):			3		1,3					1-4						
Previous reported problem(s) corrected																
Problem(s) first reported																
See enclosed footnote(s):																
	a		b		c			d		e						

Enclosure: Footnotes M-band N09M3

Footnotes to the Network Monitoring Report: M-band N09M3

General: Mc, Nt, On and Tr miss a lot of scans (all the ones immediately following a gap), probably due to the stations missing pre-obs in their schedules, confusing the hardware correlator.

a) **Da, Darnhall:** Darnhall replaced Cambridge.

b) **Jb, Jodrell Bank:** BBC 3 LSB had very low auto correlation amplitude (0.5x) corresponding to very low fraction of high bits to low bits (17%).

c) **Nt, Noto:** Fraction of high bits was low in BBC 3 (27%) and higher in BBC 1 USB (41%).

d) **Tr, Torun:** No Tr fringes in this NME. There were Tr fringes in the ftp fringe test, which was not included as part of this NME observations, so it was difficult to pinpoint the problem; it was assumed to be due to incorrect set-up after some intervening (non-VLBI) observations.

e) **Wb, Westerbork:** Fraction of high bits was slightly higher (40%) than the optimal (36.4%) in all BBCs.

Questions? mahmud@jive.nl

Report ends